Copyright (©) Eastman Kodak Company, 2001. All rights reserved

KODAK General Radiography Software 5.0
Release Notes

What's New Since DI-2000 v.4.0

1. Improved scanning, image processing and DICOM communications.
2. Compressed images, non-digitized and non-CR images can be received.
3. Step-by-step Wizard for broker patient retrieval, image acquisition, image QA and sending. (See the User Reference Guide, pp. 11-13.)
4. Scanning progress is reflected in the Preview window by the image thumbnail.
5. Preview window displays thumbnails of all selected images.
6. Commitment step is obsolete. Images are automatically committed upon scanning.
7. User-selectable font size for the patients and destinations lists. (See the User Reference Guide, p.19.)
8. Images can be moved between patients/studies/series using the drag-and-drop feature.
9. Images can be masked to partially remove bright areas in highly collimated images.
10. Images can be annotated (distance and angle measurements, text and line annotations) and annotations are sent with the images.
11. Images can be printed in 2-up and 4-up modes on both Windows and DICOM printers (See the User Reference Guide, pp. 61-63).
12. Improved DICOM printing to make printed film appear similar to images viewed on a high-resolution display.

Getting Started

The User Reference Guide (*UserRef.pdf*) contains instructions and information relevant to the daily operation of KODAK General Radiography Software 5.0. All users should read the User Reference Guide prior to operating the system. The Administrator Reference Guide (*AdminRef.pdf*) contains instructions and information relevant to the installation and administration of KODAK General Radiography Software 5.0. Both guides can be viewed and/or printed using Adobe® Systems Inc. Acrobat® Reader v. 4.0 or above.

1. Double-click the **My Computer** icon.
2. Double-click the KODAK General Radiography Software 5.0 installation CD-ROM icon.
3. Double-click the appropriate icon (*UserRef.pdf or AdminRef.pdf)* to view the document.
4. To print the guide, click the File menu in Acrobat® Reader and select the Print option.

Installation/Configuration Notes

1. KODAK General Radiography Software 5.0 requires the Microsoft Windows 2000®, with Service Pack 1, operating system.

2. Make sure that the computer has enough memory as described in the Administrator Reference Guide. Having too little memory in the computer may lead to erroneous scans, displays or other result. Eastman Kodak Company will not support underpowered computer systems and cannot be held responsible for damages resulting from underpowered computer systems.

3. Installation (new or upgrade) and configuration of KODAK General Radiography Software 5.0 should only be done by a knowledgeable system administrator. The system administrator should read the KODAK General Radiography Software 5.0 Administrator Reference Guide prior to installation/upgrade. Minimum hardware and software requirements must be followed for proper operation of KODAK General Radiography Software 5.0.

4. Previous versions of DI-2000 must be uninstalled before installing KODAK General Radiography Software 5.0. For upgrade information, see the Administrator Reference Guide, pp.13-14.

5. KODAK General Radiography Software 5.0 **must not** be installed to a directory with a name containing a blank space. Doing so will prevent the program from starting.

6. Configure the workstation monitor for use with square pixels.

7. The use of an Uninterruptible Power Supply (UPS) with a KODAK General Radiography Software 5.0 workstation is **highly** recommended. The UPS needs to accommodate at least the computer and the scanner to ensure uninterrupted scanning during a power failure. Failure to have a UPS with an ACR-2000 CR reader may result in improperly read CR plates and lost images.

8. The system MUST be rebooted after installation is complete and prior to running KODAK General Radiography Software 5.0. Failure to do so will prevent the program from starting.

9. When sending processed images to a remote site, ensure that the DICOM viewing software at the remote site displays the (0018, 1400) DICOM tag, indicating the processing applied to the image.

10. Do not select paths with blanks as local archive folders. Doing so will prevent images from being retrieved.

Administration Note

11. Check the Administrator Reference Guide, pp. 23-24 for detailed information on which administration and daily tasks can be performed by all users and which tasks require users with administrator rights.

Hardware Issues

12. Do not unplug the scanner cable until your system has been properly shut down. Failure to do so may result in system damage.

13. If a removable media drive is selected as the directory for images, do not scan images if the recording media is removed from the drive.

14. Do not scan film narrower than 8 inches wide on a LS85 digitizer. Narrow film may cause KODAK General Radiography Software 5.0 to not recognize the end of the film and continue scanning past the end.

Performance Issues

15. Due to database limitations, KODAK General Radiography Software 5.0 should be restarted on a daily basis.

16. For optimum performance, avoid selecting more than 100MB of images for display at one time.

17. Due to system performance, you should not view more than one 4K image at a time.

18. Digitizing a film at 4K or above resolution while KODAK General Radiography Software 5.0 is busy sending or receiving images could lead to a scanning failure. If this happens, complete the image transfer, close the program, reboot the system and redo the scan.

19. Do not run time synchronization programs while KODAK General Radiography Software 5.0 is running.

Using KODAK General Radiography Software 5.0 with DI-2000 v.3.2

20. Measurement functions should not be applied to images archived in DI-2000 v. 3.2 and prior and retrieved in KODAK General Radiography Software 5.0. Doing so may result in incorrect measurements.

21. Processed images archived in DI-2000 v. 3.2 and prior will lose their image processing when retrieved in KODAK General Radiography Software 5.0. New image processing should be applied to these images before sending or printing.

22. DI-2000 v.3.2 does not accept queries and retrieves from KODAK General Radiography Software 5.0.

Daily Usage Notes

23. Patient IDs longer than 62 characters may print on top of the last character of the manufacturer name on an 8" by 10" image at 1K resolution.

24. Depending on the modality worklist broker, clicking "Cancel" during a query may or may not cancel the query.

25. Images scanned at a 1K or lower resolution may not be of diagnostic quality.

26. Processing should not be applied to images scanned at a 1K or lower resolution.

27. Sunrise knee images should be processed as Knee under projection Decubitus.

28. Toe images should be processed as fingers.

29. Check the members of a group for appropriate compression settings before sending images to a group destination.

30. When moving images from patient to patient, only the patient information is changed. All study/series/image-related information is left unchanged. If the intent is to change study information (e.g. Accession Number), this must be done manually by selecting the study, clicking on the Patient and Study Information button, and editing the study information.

31. If KODAK General Radiography Software 5.0 is attached to a film digitizer and the Recycle Bin inflates, a system administrator should delete all patients in the Recycle Bin and reboot the system.